

Sandy Klemm

Temp - Non-Exempt, Genetics

Publications

PUBLICATIONS

- **Thymic epithelial cells amplify epigenetic noise to promote immune tolerance.** *Nature*
Gamble, N., Caldwell, J. A., McKeever, J., Kaiser, C., Bradu, A., Dooley, P. J., Klemm, S., Greenleaf, W. J., Hibino, N., Dinner, A. R., Koh, A. S.
2025
- **PU.1 and BCL11B sequentially cooperate with RUNX1 to anchor mSWI/SNF to poise the T cell effector landscape.** *Nature immunology*
Gamble, N., Bradu, A., Caldwell, J. A., McKeever, J., Bolonduro, O., Ermis, E., Kaiser, C., Kim, Y., Parks, B., Klemm, S., Greenleaf, W. J., Crabtree, G. R., Koh, et al
2024
- **Malaria-driven expansion of adaptive-like functional CD56-negative NK cells correlates with clinical immunity to malaria.** *Science translational medicine*
Ty, M., Sun, S., Callaway, P. C., Rek, J., Press, K. D., van der Ploeg, K., Nideffer, J., Hu, Z., Klemm, S., Greenleaf, W., Donato, M., Tukwasibwe, S., Arinaitwe, et al
2023; 15 (680): eadd9012
- **Alleviating Cell Lysate-Induced Inhibition to Enable RT-PCR from Single Cells in Picoliter-Volume Double Emulsion Droplets** *ANALYTICAL CHEMISTRY*
Khariton, M., McClune, C. J., Brower, K. K., Klemm, S., Sattely, E. S., Fordyce, P. M., Wang, B.
2023; 95 (2): 935-945
- **Alleviating Cell Lysate-Induced Inhibition to Enable RT-PCR from Single Cells in Picoliter-Volume Double Emulsion Droplets.** *Analytical chemistry*
Khariton, M., McClune, C. J., Brower, K. K., Klemm, S., Sattely, E. S., Fordyce, P. M., Wang, B.
2023
- **Single-cell transcriptomic analysis of the adult mouse spinal cord reveals molecular diversity of autonomic and skeletal motor neurons.** *Nature neuroscience*
Blum, J. A., Klemm, S., Shadrach, J. L., Guttenplan, K. A., Nakayama, L., Kathiria, A., Hoang, P. T., Gautier, O., Kaltschmidt, J. A., Greenleaf, W. J., Gitler, A. D.
2021
- **Double emulsion flow cytometry with high-throughput single droplet isolation and nucleic acid recovery.** *Lab on a chip*
Brower, K. K., Carswell-Crumpton, C., Klemm, S., Cruz, B., Kim, G., Calhoun, S. G., Nichols, L., Fordyce, P. M.
2020
- **Single-cell multiomic analysis identifies regulatory programs in mixed-phenotype acute leukemia.** *Nature biotechnology*
Granja, J. M., Klemm, S., McGinnis, L. M., Kathiria, A. S., Mezger, A., Corces, M. R., Parks, B., Gars, E., Liedtke, M., Zheng, G. X., Chang, H. Y., Majeti, R., Greenleaf, et al
2019
- **Chromatin accessibility and the regulatory epigenome.** *Nature reviews. Genetics*
Klemm, S. L., Shipony, Z., Greenleaf, W. J.
2019
- **High-throughput chromatin accessibility profiling at single-cell resolution.** *Nature communications*
Mezger, A., Klemm, S., Mann, I., Brower, K., Mir, A., Bostick, M., Farmer, A., Fordyce, P., Linnarsson, S., Greenleaf, W.

